MPN: SERVER-BX-I7-16-C4-HW

i7-12700, 16GB, 500GB NVMe, HWRAID, 1x 2.5GbE, 1x 1GbE, 1x 350W, Windows 11 Pro

Featuring Intel 12th Gen Core CPUs Ernitec Base Server Series offers powerfull performance at cost effective price points.

- 12th Gen Intel Core i7 12700 - 12C/20T 2.1-4.9GHz
- 16GB DDR4
- 500GB NVMe OS drive
- Hardware RAID Controller with RAID5 & RAID6 Support
- Windows 11 Pro
- Cube formfactor
- Single 350WPSUs
- To reduce waste only Euro CEE 7 to C13 power cables are included.



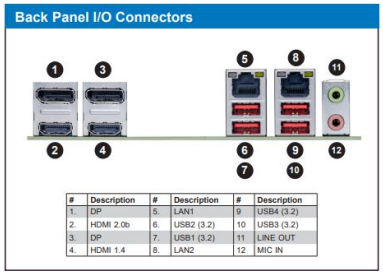
Specifications

Design	**Chassis type**	Cube
	Product series	Base Servers
	Rack mounting	No
	Rack rails	No
Expansion slots	**PCI Express x16 (Gen 4.x) slots**	1
Graphics	**Discrete graphics card**	No
	On-board graphics card 4K support	Yes
	On-board graphics card model	Intel UHD Graphics 770
Memory	**Buffered memory type**	Unregistered (unbuffered)
	ECC	No
	Internal memory	16 GB
	Internal memory type	DDR4
	Memory clock speed	4400 MHz
	Memory layout (slots x size)	2 x 8 GB
	Memory slots	2
Network	**Ethernet interface type**	Gigabit Ethernet, 2.5 Gigabit Ethernet
	Ethernet LAN	Yes
	LAN controller	Intel I225-LM, Intel I210AT
	Wake-on-LAN ready	Yes
Other features	**Controller type**	Broadcom 9361 HW RAID Controller
	Drive bays	4
	Form factor	Cube
	Hot-swap HDD bays	Yes

Other features	**Integrated BMC with IPMI**	No
	Intel® Virtualization Technology (Intel® VT)	Yes
	Memory slots (available)	0
	Number of DIMM slots	2
	Number of drive bays	4
	Number of SATA connectors	5
	RAID controller type	Hardware RAID
	S.M.A.R.T. support	Yes
Packaging content	**Keyboard included**	No
	Mouse included	No
Performance	**BIOS type**	UEFI
	On-site support	No
	Remote administration	NO
	Trusted Platform Module (TPM)	Yes
	Trusted Platform Module (TPM) version	2.0
Ports & interfaces	**DisplayPorts quantity**	2
	Ethernet LAN (RJ-45) ports	2
	HDMI ports quantity	2
	Power cables quantity	1
Power	**Number of main power supplies**	1
	Number of power supply units	1
	Power supply	350 W
Processor	**Motherboard chipset**	Intel Q670E
	Performance cores	8
	Performance-core base frequency	2.1 GHz
	Processor cache type	Smart Cache
	Processor cores	12
	Processor family	Intel Core i7
	Processor frequency	4.9 GHz
	Processor generation	12th gen Intel® Core™ i7
	Processor manufacturer	Intel
	Processor model	i7-12700
	Processor socket	LGA 1700
	Processor threads	20
	Thermal Design Power (TDP)	65 W
Processor special features	**Enhanced Intel SpeedStep Technology**	Yes
	Intel Virtualization Technology (VT-x)	Yes
	Intel Virtualization Technology for	Yes

Processor special features	**Directed I/O (VT-d)**	Yes
	Intel VT-x with Extended Page Tables (EPT)	Yes
	Intel® Active Management Technology (Intel® AMT)	Yes
	Intel® Hyper Threading Technology (Intel® HT Technology)	Yes
	Intel® Quick Sync Video Technology	Yes
	Intel® Smart Cache	Yes
	Processor ARK ID	134591
Software	**Compatible operating systems**	Windows 10/11, Windows Server 2022
	Operating system installed	Windows 11 Pro
Storage	**Number of HDDs supported**	4
	RAID controller cache	1 GB
	RAID levels	0, 1, 5, 6, 5+HS, 6+HS, 10, 10+HS, JBOD
	RAID support	Yes
	SSD capacity	500 GB
	SSD interface	NVMe
	SSD size	M.2
	Supported HDD sizes	3.5, 2.5 "
	Terabytes written (TBW)	300
Technical details	**2.5" HDD support**	2
	3.5" HDD support	4
	Number of 3.5" bays	4
	Number of storage drives supported	4
	Supported RAID configuration	RAID0, RAID1, RAID5, RAID6, RAID10 & HS
	Warranty period	5 year(s)
Vendor information	**Brand Name**	Ernitec
	Warranty	3 Year(s)

Other images



#	Description	#	Description	#	Description
1.	DP	5.	LAN1	9	USB4 (3.2)
2.	HDMI 2.0b	6.	USB2 (3.2)	10	USB3 (3.2)
3.	DP	7.	USB1 (3.2)	11	LINE OUT
4.	HDMI 1.4	8.	LAN2	12	MIC IN

